

October 6, 2010



Your source for best practices in CCS science and technology

Commitment to CCS by DOE Secretary Chu

"If the U.S. doesn't act now to get CCS working, we will be importing these technologies 10-20 years from today."

US DOE Secretary Chu





Mission

Carbon Tech Alliance will be a leader of CCS education while providing:

 effective training and content to the future CCS workforce, those in related fields, and any others interested in understanding how CCS can be applied.



Initial Scope of Program

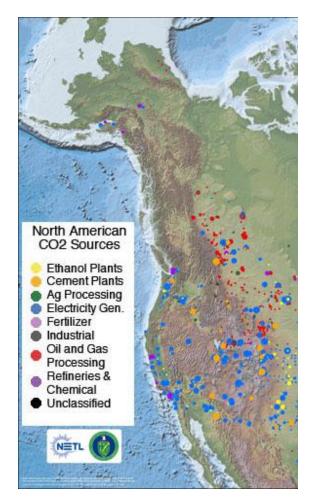


Topics:

- CCS overview
- site characterization
- site selection
- permitting and liability
- public perception and communication
- drilling issues
- CO₂ injection
- Monitoring/ verification



Initial Scope of Program



Geographical focus:

Northwestern U.S. and western Canada

Credit Hours/Cert's:

- professional development Hours (PDHs)
- certification programs



<u>Initial Scope of Program - cont.</u>

Who:

- industry managers
- legislators and their staff
- engineers
- geologists
- technicians
- students
- general public

How:

- lectures and multiple-day short courses
- courses will integrate CCS topics
- tours of facilities conducting CO₂ sequestration research



Carbon Tech Alliance Partners



 Environmental Outreach and Stewardship (EOS) Alliance - Lead



Pacific Northwest National Laboratory



 Washington Society of Professional Engineers



Project Updates

- 101 CCS Lecture Presented May 2010 and developed into video
- Advisory Board recruited and held first meeting June 2010
- Marketing Strategy Draft presented at Advisory Board meeting
- Carbon Tech Alliance Website Went live Oct. 4
- Social Media Facebook and Twitter Live Oct. 1
- Short courses being developed
- CCS Exchange quarterly newsletter upcoming



Video - Carbon Capture 101



Pete McGrail Lecture

http://carbontechalliance.org/ccs-training-videos



Advisory Board

Mary Ausburn, AICP

SEPA Project Manager Department of Ecology

Dr. Stefan Bachu, PEng

Distinguished Scientist, CO2 Storage Alberta Innovates - Technology Futures

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Professor & Director of GeoAnalytical Lab School of Earth & Environmental Sciences Washington State University

Web

http://carbontechalliance .org/





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MAKE A DONATION



UPCOMING TRAINING

Carbon Capture and Storage Oct 31, 2010 | full description >>

WELCOME TO CARBON TECH

Carbon dioxide (COz) is a gas implicated in climate change that is emitted through a variety of human activities. An innovative approach for reducing the input of CO2 into the atmosphere is through capturing manmade COz from large stationary emitters such as power plants, cement plants, and paper mills and permanently storing it deep underground - a process referred to as carbon capture and storage (CCS). The Carbon Tech Alliance's mission is to be a leader of high-quality CCS education while providing effective training and content to the future CCS workforce, those in related fields, and any others interested in understanding how CCS can be applied.

Deploying CCS technologies in commercial-scale applications will require a drastically expanded workforce (including geologists, engineers, scientists, and technicians) trained in CCS specialties. The Carbon Tech Alliance serves as a western U.S. and Canada regional training center designed to educate stakeholders through lecturers, specialized short courses, symposiums, and conferences.



CCS Training Videos

storage to members of the Washington Society of Professional Engineers.



CCS Course Catalog

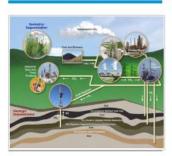
Pete McGrall provides a 101 on carbon capture and Get information on upcoming courses in your area!

HEADLINES

Make an Impact: Become a Carbon Coach

in recent years global warming and carbon footprints have been a hot topic in the news. Read more.

CARBON CAPTURE DIAGRAM



Join Mailing List

enter email address

SUBMIT

Please consider supporting Carbon Tech Alliance. Contributions are tax deductible.

















HQ Milestone Progress

HQ Milestone	Planned Completion Date	Actual Completion Date
Project Kick-off Meeting	3/31/10	11/18/09
Educational program instituted by identifying potential participants and completing a training schedule	6/30/10	6/30/10
Complete first lecture video series.	9/30/10	7/1/10
Semi-Annual Progress Report	9/30/10	
Complete first classes for regional sequestration technology training	12/31/10	
Trainers visit one field site	12/31/10	
Yearly Review Meeting	3/31/11	



Building the Brand

 Building on EOS Training model – 10 plus years of success



- Finalizing Marketing Plan
- Completed and implementing Branding Plan
- Collaborating with high-quality partners
- Using Web and Social Media tools
- Updating program based on feedback



Next Steps

- Develop additional courses
- Develop University Partnership (s) –
 University of Washington Extension
- Further collaborations with STEP Illinois
- Develop professional credit options
- Investigate developing certification program
- Publish quarterly newsletter
- Distribute Tech Alerts (as the market demands)





www.eosalliance.org

Facilitation

Training

Action



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Questions & Discussion



Thank you.